

**TDMS No.** 96015 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

**Date Report Reqsted:** 08/21/2007  
**Time Report Reqsted:** 09:21:42  
**First Dose M/F:** 09/05/01 / 09/05/01  
**Lab:** SRI

F\_2 R2

**C Number:** C96015

**Lock Date:** 04/30/2004

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**TDMSE Version:** 1.8.0

Note: Animals arranged according to days on test.













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**males**  
**(cont...)**

Eye

## Harderian Gland

### Lacrimal Gland

## **URINARY SYSTEM**

Kidney

† † † † † † † † † † † † † † † † † † A † † † † † † † †

## Urinary Bladder

## **SYSTEMIC LESIONS**

## Multiple Organ

### **Leukemia Mononuclear**

X X X X X X X X X

x x

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

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## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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x Lesion present

BLANK Not examined microscopically

| Insufficient tissue

**BEANK** :: Not examined microscopically

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## Lab: SR

Tooth + 1

## CARDIOVASCULAR SYSTEM

Blood Vessel 1

## **ENDOCRINE SYSTEM**

Pheochromocytoma Benign X X X X X X X X 9

Bilateral Pheochromocytoma Benign X 1

\* .. Total animals with tissue examined microscopically: Total animals with tumor

† Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

.. Lesion present  
 Insufficient tissue

## M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically.

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Lab: SR

Thyroid Gland + 43  
C-cell Adenoma X 19

C-cell, Carcinoma

## **GENERAL BODY SYSTEM**

**Peritoneum**

## Tissue NOS

## **GENITAL SYSTEM**

Coagulating Gland + 1

\* .. Total animals with tissue examined microscopically: Total animals with tumor

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## HEMATOPOIETIC SYSTEM

\* ... Total animals with tissue examined microscopically; Total animals with tumor

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## Lab: SR

# INTEGUMENTARY SYSTEM

## MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically: Total animals with tumor

† ... Tissue examined microscopically

Lesion present

.. Lesion present  
 Insufficient tissue

### M .. Missing tissue

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**males  
(cont...)**

## HEMATOPOIETIC SYSTEM

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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[www.fcc.gov/encyclopedia](http://www.fcc.gov/encyclopedia)



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## **RESPIRATORY SYSTEM**

Alveolar/Bronchiolar Adenoma X X

#### Alveolar/Bronchiolar Carcinoma

## Neural Crest Tumor, Metastatic, Skin

### Osteochondroma

## **SPECIAL SENSES SYSTEM**

Lacrimal Gland +

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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## Urethra

## Urinary Bladder

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

#### Leukemia Mononuclear

## Lymphoma Malignant

+

1

×                    ×    ×            ×                    ×    ×            ×                    ×    ×    ×

X X

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## Lab: SR

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>ENDOCRINE SYSTEM</b>																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pheochromocytoma Benign									X												X	5
Bilateral, Pheochromocytoma Benign														X								1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma									X												X	4
Carcinoma													X									1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	M	+	+	+	M	M	+	+	+	+	44	

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### M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

**BLANK** Not examined microscopically.

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 Insufficient tissue

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Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pars Distalis, Adenoma					X			X	X	X								X	X	X	X	X	14	
Pars Distalis, Carcinoma																							1	
Pars Intermedia, Carcinoma																							X	1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
C-cell, Adenoma						X												X						5
C-cell, Carcinoma																			X					2

## **GENERAL BODY SYSTEM**

Peritoneum + + + + 6

## **GENITAL SYSTEM**

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
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## **HEMATOPOIETIC SYSTEM**

# **INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

~~DE WIT NOT EXAMINED MICROSCOPICALLY~~

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## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																					3
Squamous Cell Carcinoma, Metastatic, Skin																		X			1

## **NERVOUS SYSTEM**

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† ... Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

.. Lesion present  
 Insufficient tissue

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## **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

## **URINARY SYSTEM**

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x Lesion present

| Insufficient tissue

### M .. Missing tissue

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Urethra + 1

## **SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Leukemia Mononuclear	X		X	X				X				X						X	X	19
Lymphoma Malignant																		X		1
Mesothelioma Malignant												X			X					6

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# **GENERAL BODY SYSTEM**

## Tissue NOS

+

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X .. Essien present  
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**DEAN** :: Not examined microscopically

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	5	9	9	6	8	8	1	1	2	4	5	6	6	7	7	7	8	9	9	9	9	0	1	1	2	2	2	2	2	2	
	1	4	6	8	3	3	6	9	2	7	2	2	4	1	1	4	0	1	7	9	9	9	0	8	0	0	0	0	0	0	
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
<b>FISCHER 344 RATS MALE</b>			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
			1	4	3	3	0	1	1	2	4	5	3	3	3	2	2	4	2	0	1	2	3	1	0	1	1	1	1	1	1
			2	2	3	9	1	8	6	0	6	0	6	4	7	1	4	4	3	8	7	6	8	5	5	0	3	males (cont...)			

## **GENITAL SYSTEM**

## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

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x Lesion present

BLANK Not examined microscopically

.. Lesion present  
 Insufficient tissue

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## MUSCULOSKELETAL SYSTEM

Skeletal Muscle

## **NERVOUS SYSTEM**

Peripheral Nerve + + + -  
Schwannoma Malignant X

**Spinal Cord** + + + +

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically: Total animals with tumor

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x ... Lesion present

x .. Lesion present  
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	5	9	9	6	8	8	1	1	2	4	5	6	6	7	7	7	8	9	9	9	9	0	1	1	2	2	2	2	2	2
	1	4	6	8	3	3	6	9	2	7	2	2	4	1	1	4	0	1	7	9	9	9	0	8	0	0	0	0	0	0
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>FISCHER 344 RATS MALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1	4	3	3	0	1	1	2	4	5	3	3	3	2	2	4	2	0	1	2	3	1	0	1	1	1	1	1	males (cont...)
		2	2	3	9	1	8	6	0	6	0	6	4	7	1	4	4	3	8	7	6	8	5	5	0	3				

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

1

## Leukemia Mononuclear

X X

7

X X

## **males (cont...)**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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+ .. Tissue examined microscopically

#### A. Autolysis precludes evaluation

x ... Lesion present

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## **GENERAL BODY SYSTEM**

## Tissue NOS

2

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## Lab: SR

## **GENITAL SYSTEM**

Coagulating Gland		1
Epididymis	+	50
Preputial Gland	+	50
Adenoma	X	3
Carcinoma	X	2
Prostate	+	50
Seminal Vesicle	+	50
Testes	+	50
Bilateral, Interstitial Cell, Adenoma	X	38
Interstitial Cell, Adenoma	X	4

## **HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<hr/>																							
Lymph Node	+				+	+														+	+		19

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

#### A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

X .. Essien present  
| .. Insufficient tissue

**BEANK** ... Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

#### Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

Date Report Requested: 08/21/2007

Time Report Registered: 09:21:42

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

# **RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically







TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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**CAS Number:** 3252-43-5

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**First Dose M/F:** 09/05/01 / 09/05/01

## Lab: SR

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

~~DO NOT EXAMINE MICROSCOPICALLY~~



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

#### Water disinfection byproducts (Dibromoacetonitrile)

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Lab: SR

## Tissue NOS

## **GENITAL SYSTEM**

## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

### M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

**BLANK** Not examined microscopically

| Insufficient tissue

BEANK .. Not examined microscopically







TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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Lab: SRI

## **ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma									X																2
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesentery			+	+					+																15
Oral Mucosa																			+						3
Squamous Cell Carcinoma																									2
Squamous Cell Papilloma																				X					1

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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Lab: SRI

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

#### A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

<http://www.oxfordjournals.org/oxrep/>

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **GENERAL BODY SYSTEM**

Peritoneum + 2

\* .. Total animals with tissue examined microscopically; Total animals with tumor

† .. Tissue examined microscopically

x Lesion present

| Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

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## Lab: SR

## **GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																			X			1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	40
Interstitial Cell, Adenoma								X		X							X	X	X	X	X	8

## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically: Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

- + .. Tissue examined
- x Lesion present

**BLANK** Not examined microscopically

x .. Lesion present  
| Insufficient tissue

BLANK .. Not examined microscopically





TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

\*\*\* END OF MALE DATA \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

#### Water disinfection byproducts (Dibromoacetonitrile)

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**First Dose M/F:** 09/05/01 / 09/05/01

## Lab: SR

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† .. Tissue examined microscopically

A .. Autolysis precludes evaluation

- ✗ Lesion present

**BLANK** Not examined microscopically

.. Lesion present  
 Insufficient tissue

BEANK .. Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

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Lab: SR

## **HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

#### A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| Insufficient tissue

**BEAN** .. Not examined microscopically





TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

## Water disinfection byproducts (Dibromoacetonitrile)

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Lab: SRI

## **SYSTEMIC LESIONS**

## Multiple Organ

## Leukemia Mononuclear

## Lymphoma Malignant

X

X

X

**females  
(cont...)**

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

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## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

**BLANK** Not examined microscopically

.. Lesion present  
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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Lab: SRI

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

### M .. Missing tissue

† .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

**BLANK** Not examined microscopically

✓ .. Lesion present  
| Insufficient tissue

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

#### Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

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Time Report Registered: 09:21:42

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Reqsted: 08/21/2007

Time Report Reqsted: 09:21:42

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/L	ANIMAL ID	DAY ON TEST																								* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
		1	1	1	1	1	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	2	2	3	3	
Ovary		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Granulosa-Theca Tumor Benign																X										1
Oviduct																										1
Uterus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangiosarcoma		X																								1
Endometrium, Polyp Stromal			X	X																						12
Endometrium, Polyp Stromal, Multiple																										1
Endometrium, Schwannoma Malignant																										1
Vagina							+																			6
Schwannoma Malignant, Metastatic, Uterus																										1

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lymph Node	+	+																								21
Lymph Node, Mandibular	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	3	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

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**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

| ... Insufficient tissue

BLANK .. Not examined microscopically

~~Not examined this specimen~~



**TDMS No. 96015 - 05**

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

#### Water disinfection byproducts (Dibromoacetonitrile)

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Lab: SRI

## **SYSTEMIC LESIONS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

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**First Dose M/F:** 09/05/01 / 09/05/01

## Lab: SR

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x .. Lesion present

BLANK - Not examined microscopically

.. Lesion present  
 Insufficient tissue

BEANK :: Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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## Lab: SR

## **HEMATOPOIETIC SYSTEM**

## **INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

#### A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

X .. Essien present  
| .. Insufficient tissue

**BEANK** ... Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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Lab: SRI

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

### Glioma Malignant

### Peripheral Nerve

Spinal Cord

## **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

† .. Tissue examined microscopically

x Lesion present

.. Lesion present  
 Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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Lab: SRI

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

### M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| Insufficient tissue

BEANK :: Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

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Lab: SRI

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

### M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x ... Lesion present

BLANK - Not examined microscopically

| Insufficient tissue

**BEAK** ... Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

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## Lab: SR

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

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**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymph Node	+	+			+			+		+	+			+			+		+	+	+	+	+	15	
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	49

## **INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

X .. Essien present  
| .. Insufficient tissue

**DEAN** ... Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

#### Water disinfection byproducts (Dibromoacetonitrile)

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Date Report Requested: 08/21/2007

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**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

Peripheral Nerve

## RESPIRATORY SYSTEM

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically: Total animals with tumor

† .. Tissue examined microscopically

x Lesion present

.. Lesion present  
 Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

## Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

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## **ALIMENTARY SYSTEM**

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.. Lesion present  
 Insufficient tissue

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## **SYSTEMIC LESIONS**

## Multiple Organ

## Leukemia Mononuclear

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+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

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Schwannoma Malignant 1

Endometrium, Polyp Stromal X X X 4

Vagina + ..... 7

Schwannoma Malignant, Metastatic,  
Uterus 1

## **HEMATOPOIETIC SYSTEM**

## **INTEGUMENTARY SYSTEM**

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# MUSCULOSKELETAL SYSTEM

# **NERVOUS SYSTEM**

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# CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

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Lab: SRI

Thyroid Gland A + A + + A + + + + + + + + + A + + + + + + + + + + + C-cell, Adenoma X X

## **GENERAL BODY SYSTEM**

**Peritoneum**

## **GENITAL SYSTEM**

Clitoral Gland Adenoma + X

Carcinoma X X

Endometrium, Adenoma                    X                    X

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## **HEMATOPOIETIC SYSTEM**

## **INTEGUMENTARY SYSTEM**

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## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma								X										X						2	
<hr/>																									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<hr/>																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma																									2
<hr/>																									
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	M	+	+	+	43	

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## **GENERAL BODY SYSTEM**

Peritoneum

## **GENITAL SYSTEM**

Endometrium, Adenoma X  
Endometrium, Polyp Stromal X X X X X X X X X 11

Vagina

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